

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
27 October 2005 (27.10.2005)

PCT

(10) International Publication Number
WO 2005/099908 A1

(51) International Patent Classification⁷:

B05B 9/08

(21) International Application Number:

PCT/BE2005/000015

(22) International Filing Date: 2 February 2005 (02.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04447097.9 15 April 2004 (15.04.2004) EP

(71) Applicant (for all designated States except US): MONSANTO EUROPE SA [BE/BE]; Avenue de Tervueren 270-272, B-1150 BRUSSELS (BE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ENGELEN, Wim [BE/BE]; Groenstraat 76, B-1800 VILVOORDE (BE). MAAS, Wim [NL/NL]; Grebbe 24, NL-5711 KV SOMEREN (NL).

(74) Agents: VAN MALDEREN, Joëlle et al.; pronovem - Office Van Malderen, Avenue Josse Goffin 158, B-1082 Bruxelles (BE).

(54) Title: LIQUID DISPENSING DEVICE

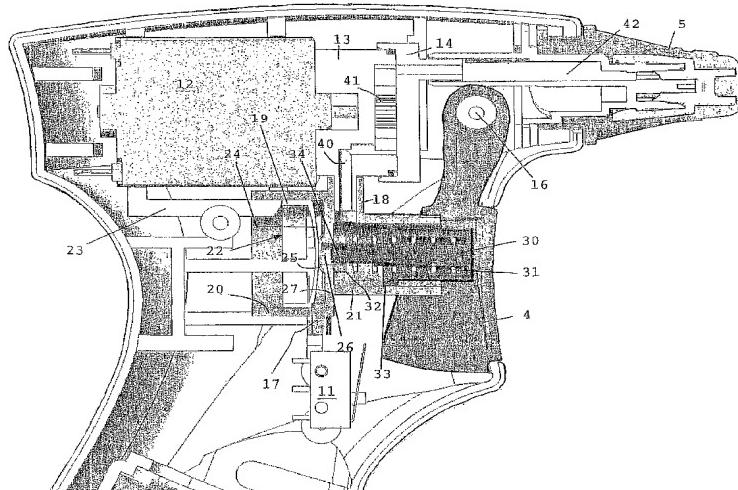
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 2005/099908 A1

(57) Abstract: The present invention is related to a battery-operated liquid dispensing device comprising a valve which is operated by the trigger (4), and which comprises a valve body (22) with a resilient dome-shaped portion (24), which closes off the valve by being biased against the valve seat (25). By pulling the trigger, the dome-shaped portion (24) is pushed away from the seat, thereby creating a passage for the liquid to pass to a gear pump (13) and nozzle (5).